

# INTERNATIONAL SEARCH REPORT

International application No

PCT/US04/25447

## A CLASSIFICATION OF SUBJECT MATTER

IPC(7) HOIJ 35/08

US CL 378/57, 62, 119, 120, 143, 376/157; 250/ 398, 313/363 I

According to International Patent Classification (IPC) or to both national classification and IPC

## B FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U S - 378/57, 62, 119, 120, 143, 376/157; 250/ 398, 313/363.1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
None

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
Please See Continuation Sheet

## C DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,215,851 B1 (MEILUNAS et al) 10 April 2001 (10.04 2001), column 3, line 49 - column 4, line 22 and column 5, lines 16-38.	1-8, 10, 11 and 14-17
Y		22-24 and 27
Y	US 5,784,430 A (SREDNIA WSKI et al) 21 July 1998 (21 07 1998), column 4, lines 40-64.	22-24 and 27
A	US 5,124,554 A (FOWLER et al) 23 June 1992 (23 06.1992), see entire document.	1-27
A	US 5,278, 418 A (BROADHURST et al) 11 January 1994 (11.01.1994) see entire document.	1-27

**D** Further documents are listed in the continuation of Box C ☐ See patent family annex

* Special categories of cited documents	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"E" earlier application or patent published on or after the international filing date	"Y" document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
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Date of the actual completion of the international search

04 March 2005 (04.03 2005)

Date of mailing of the international search report

01 JAN 2006

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INTERNATIONAL SEARCH REPORT

International application No  
PCT/US04/25447

Continuation of B FIELDS SEARCHED Item 3  
EAST  
search terms high curent proton beam target, gamma ray absorption detection

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